

HUBR-1295-US - SEQUENCE LISTING.txt
SEQUENCE LISTING

<110> Max Planck Gesellschaft zur Foerderung der Wissenc

<120> Substance binding human IgG Fc receptor IIb (Fc gamma
RIIb)

<130> 30287P_WO HC

<140> PCT/EP2004/013450

<141> 2004-11-26

<150> EP03027000.3

<151> 2003-11-26

<160> 11

<170> PatentIn Ver. 2.1

<210> 1

<211> 172

<212> PRT

<213> human

<220>

<223> Fc gamma RIIa

<400> 1

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Ala Pro Pro Lys Ala Val Leu Lys Leu Glu Pro Pro Trp Ile Asn Val
 1          5          10          15
Leu Gln Glu Asp Ser Val Thr Leu Thr Cys Gln Gly Ala Arg Ser Pro
          20          25          30
Glu Ser Asp Ser Ile Gln Trp Phe His Asn Gly Asn Leu Ile Pro Thr
          35          40          45
His Thr Gln Pro Ser Tyr Arg Phe Lys Ala Asn Asn Asn Asp Ser Gly
          50          55          60
Glu Tyr Thr Cys Gln Thr Gly Gln Thr Ser Leu Ser Asp Pro Val His
          65          70          75          80
Leu Thr Val Leu Ser Glu Trp Leu Val Leu Gln Thr Pro His Leu Glu
          85          90          95
Phe Gln Glu Gly Glu Thr Ile Met Leu Arg Cys His Ser Trp Lys Asp
          100          105          110
Lys Pro Leu Val Lys Val Thr Phe Phe Gln Asn Gly Lys Ser Gln Lys
          115          120          125
Phe Ser Arg Leu Asp Pro Thr Phe Ser Ile Pro Gln Ala Asn His Ser
          130          135          140
His Ser Gly Asp Tyr His Cys Thr Gly Asn Ile Gly Tyr Thr Leu Phe
          145          150          155          160
Ser Ser Lys Pro Val Thr Ile Thr Val Gln Val Pro
          165          170

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<210> 2
<211> 172
<212> PRT
<213> human

<220>
<223> Fc gamma RIIb

<400> 2
Ala Pro Pro Lys Ala Val Leu Lys Leu Glu Pro Gln Trp Ile Asn Val
1 5 10 15
Leu Gln Glu Asp Ser Val Thr Leu Thr Cys Arg Gly Thr His Ser Pro
20 25 30
Glu Ser Asp Ser Ile Gln Trp Phe His Asn Gly Asn Leu Ile Pro Thr
35 40 45
His Thr Gln Pro Ser Tyr Arg Phe Lys Ala Asn Asn Asn Asp Ser Gly
50 55 60
Glu Tyr Thr Cys Gln Thr Gly Gln Thr Ser Leu Ser Asp Pro Val His
65 70 75 80
Leu Thr Val Leu Ser Glu Trp Leu Val Leu Gln Thr Pro His Leu Glu
85 90 95
Phe Gln Glu Gly Glu Thr Ile Val Leu Arg Cys His Ser Trp Lys Asp
100 105 110
Lys Pro Leu Val Lys Val Thr Phe Phe Gln Asn Gly Lys Ser Lys Lys
115 120 125
Phe Ser Arg Ser Asp Pro Asn Phe Ser Ile Pro Gln Ala Asn His Ser
130 135 140
His Ser Gly Asp Tyr His Cys Thr Gly Asn Ile Gly Tyr Thr Leu Tyr
145 150 155 160
Ser Ser Lys Pro Val Thr Ile Thr Val Gln Ala Pro
165 170

<210> 3
<211> 13
<212> PRT
<213> human

<220>
<223> glycopeptide CDE [126-137]

<400> 3
Ser Lys Lys Phe Ser Arg Ser Asp Pro Asn Phe Ser Gly
1 5 10

<210> 4
<211> 312
<212> DNA
<213> Unknown Organism

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<220>

<221> CDS

<222> (1)..(312)

<223> variable light region of mAb GB3

<220>

<223> Description of Unknown Organism: sequence
comprised by an antibody

<400> 4

aga att cag ctg acc cag tct cca tcc tcc tta tct gcc tct ctg gga	48
Arg Ile Gln Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Leu Gly	
1 5 10 15	
gaa aga gtc agt ctc act tgt cgg gca agt cag gaa att agt ggt tac	96
Glu Arg Val Ser Leu Thr Cys Arg Ala Ser Gln Glu Ile Ser Gly Tyr	
20 25 30	
tta agc tgg ctt cag cag aaa cca gat gga act att aaa cgc ctg atc	144
Leu Ser Trp Leu Gln Gln Lys Pro Asp Gly Thr Ile Lys Arg Leu Ile	
35 40 45	
tac gcc aca tcc gct tta gat tct ggt gtc cca aaa agg ttc agt ggc	192
Tyr Ala Thr Ser Ala Leu Asp Ser Gly Val Pro Lys Arg Phe Ser Gly	
50 55 60	
agt ggg tct ggg tca aat tat tct ctc acc atc agc agc ctt gag tct	240
Ser Gly Ser Gly Ser Asn Tyr Ser Leu Thr Ile Ser Ser Leu Glu Ser	
65 70 75 80	
gaa gat ttt gca gac tat tac tgt cta caa tat gct aat tat ccg tac	288
Glu Asp Phe Ala Asp Tyr Tyr Cys Leu Gln Tyr Ala Asn Tyr Pro Tyr	
85 90 95	
acg ttc gga ggg ggg acc aag ctg	312
Thr Phe Gly Gly Gly Thr Lys Leu	
100	

<210> 5

<211> 104

<212> PRT

<213> Unknown Organism

<220>

<223> Description of Unknown Organism: sequence
comprised by an antibody

<400> 5

Arg Ile Gln Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Leu Gly
1 5 10 15
Glu Arg Val Ser Leu Thr Cys Arg Ala Ser Gln Glu Ile Ser Gly Tyr
20 25 30
Leu Ser Trp Leu Gln Gln Lys Pro Asp Gly Thr Ile Lys Arg Leu Ile
35 40 45
Tyr Ala Thr Ser Ala Leu Asp Ser Gly Val Pro Lys Arg Phe Ser Gly
50 55 60
Ser Gly Ser Gly Ser Asn Tyr Ser Leu Thr Ile Ser Ser Leu Glu Ser
65 70 75 80

HUBR-1295-US - SEQUENCE LISTING.txt

Glu Asp Phe Ala Asp Tyr Tyr Cys Leu Gln Tyr Ala Asn Tyr Pro Tyr
85 90 95

Thr Phe Gly Gly Gly Thr Lys Leu
100

<210> 6
<211> 312
<212> DNA
<213> Unknown Organism

<220>
<221> CDS
<222> (1)..(312)
<223> variable heavy region of mAb GB3

<220>
<223> Description of Unknown Organism: sequence
comprised by an antibody

<400> 6
gtg cag ctg cag cag tct gga cct gag ctg gtg aag cct ggg gct tca 48
Val Gln Leu Gln Gln Ser Gly Pro Glu Leu Val Lys Pro Gly Ala Ser
1 5 10 15
gtg aag att tcc tgc aag gct tct ggc tac acc ttc act gac tac tat 96
Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp Tyr Tyr
20 25 30
ata tac tgg gtg aaa cag tgg cct gga cag gga ctt gag tgg att gga 144
Ile Tyr Trp Val Lys Gln Trp Pro Gly Gln Gly Leu Glu Trp Ile Gly
35 40 45
tgg att ttt cct gga act ggt aat act tac tac aat gaa aac ttc aag 192
Trp Ile Phe Pro Gly Thr Gly Asn Thr Tyr Tyr Asn Glu Asn Phe Lys
50 55 60
gac aag gcc aca ctt act ata gat aga tcc tcc agc aca gcc tac atg 240
Asp Lys Ala Thr Leu Thr Ile Asp Arg Ser Ser Thr Ala Tyr Met
65 70 75 80
ttg ctg ggc agc ctg acc tct gag gac tct gcg gtc tat ttc tgt tat 288
Leu Leu Gly Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Phe Cys Tyr
85 90 95
ggt ccg ttt gct tac tgg ggc caa 312
Gly Pro Phe Ala Tyr Trp Gly Gln
100

<210> 7
<211> 104
<212> PRT
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: sequence
comprised by an antibody

<400> 7

HUBR-1295-US - SEQUENCE LISTING.txt

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val  Gln Leu Gln Gln Ser Gly Pro Glu Leu Val Lys Pro Gly Ala Ser
  1      5      10      15
val  Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp Tyr Tyr
      20      25      30
Ile Tyr Trp Val Lys Gln Trp Pro Gly Gln Gly Leu Glu Trp Ile Gly
      35      40      45
Trp Ile Phe Pro Gly Thr Gly Asn Thr Tyr Tyr Asn Glu Asn Phe Lys
      50      55      60
Asp Lys Ala Thr Leu Thr Ile Asp Arg Ser Ser Ser Thr Ala Tyr Met
      65      70      75      80
Leu Leu Gly Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Phe Cys Tyr
      85      90      95
Gly Pro Phe Ala Tyr Trp Gly Gln
      100

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<210> 8
 <211> 309
 <212> DNA
 <213> Unknown Organism

<220>
 <221> CDS
 <222> (1)..(309)
 <223> variable light region of mAb CE5

<220>
 <223> Description of Unknown Organism: sequence
 comprised by an antibody

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<400> 8
gag ctc acc cag tct cca gcc tcc ctt tct gcg tct gtg gga gaa act 48
Glu Leu Thr Gln Ser 5 Pro Ala Ser Leu Ser 10 Ala Ser Val Gly Glu Thr 15

gtc acc atc aca tgt cga gca agt ggg aat att cac aat tat tta gca 96
Val Thr Ile Thr Cys Arg Ala Ser Gly Asn Ile His Asn Tyr Leu Ala 30
      20      25      30

tgg tat cag cag aaa cag gga aaa tct cct cag ctc ctg gtc tat tat 144
Trp Tyr Gln Gln Lys Gln Gly Lys 40 Ser Pro Gln Leu Leu Val Tyr Tyr 45
      35      40      45

aca aca acc tta gca gat ggt gtg cca tca agg ttc agt ggc agt gga 192
Thr Thr Thr Leu Ala Asp Gly Val Pro Ser Arg Phe Ser Gly Ser Gly 60
      50      55      60

tca gga aca caa tat tct ctc aag atc aac agc ctg caa cct gaa gat 240
Ser Gly Thr Gln Tyr Ser Leu Lys Ile Asn Ser Leu Gln Pro Glu Asp 80
      65      70      75      80

ttt ggg agt tat tac tgt caa cat ttt tgg agt act cct cgg acg ttc 288
Phe Gly Ser Tyr Tyr 85 Cys Gln His Phe Trp 90 Ser Thr Pro Arg Thr Phe 95
      85      90      95

ggt gga ggg acc aag ctc gag 309

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Gly Gly Gly Thr Lys Leu Glu
100

<210> 9
<211> 103
<212> PRT
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: sequence
comprised by an antibody

<400> 9
Glu Leu Thr Gln Ser Pro Ala Ser Leu Ser Ala Ser Val Gly Glu Thr
1 5 10 15
Val Thr Ile Thr Cys Arg Ala Ser Gly Asn Ile His Asn Tyr Leu Ala
20 25 30
Trp Tyr Gln Gln Lys Gln Gly Lys Ser Pro Gln Leu Leu Val Tyr Tyr
35 40 45
Thr Thr Thr Leu Ala Asp Gly Val Pro Ser Arg Phe Ser Gly Ser Gly
50 55 60
Ser Gly Thr Gln Tyr Ser Leu Lys Ile Asn Ser Leu Gln Pro Glu Asp
65 70 75 80
Phe Gly Ser Tyr Tyr Cys Gln His Phe Trp Ser Thr Pro Arg Thr Phe
85 90 95
Gly Gly Gly Thr Lys Leu Glu
100

<210> 10
<211> 339
<212> DNA
<213> Unknown Organism

<220>
<221> CDS
<222> (3)..(338)
<223> variable heavy region of mAb CE5

<220>
<223> Description of Unknown Organism: sequence
comprised by an antibody

<400> 10
tg cag gag tca gga cct ggc ctg gtg gcg ccc tca cag agc ctg tcc 47
Gln Glu Ser Gly Pro Gly Leu Val Ala Pro Ser Gln Ser Leu Ser 15
1 5 10
atc aca tgc acc gtc tca ggg ttc tca tta acc ggc tat ggt gta aac 95
Ile Thr Cys Thr Val Ser Gly Phe Ser Leu Thr Gly Tyr Gly Val Asn 30
20 25 30
tgg gtt cgc cag cct cca gga aag ggt ctg gag tgg ctg gga atg att 143
Trp Val Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Leu Gly Met Ile 45
35 40 45

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tgg ggt gat gga aac aca gac tat aat tca gct ctc aaa tcc aga ctg	191
Trp Gly Asp Gly Asn Thr Asp Tyr Asn Ser Ala Leu Lys Ser Arg Leu	
50 55 60	
agc atc agc aag gac aac tcc aag agc caa gtt ttc tta aaa atg aac	239
Ser Ile Ser Lys Asp Asn Ser Lys Ser Gln Val Phe Leu Lys Met Asn	
65 70 75	
agt ctg cac act gat gac aca gcc agg tac tac tgt gcc aga gag aga	287
Ser Leu His Thr Asp Asp Thr Ala Arg Tyr Tyr Cys Ala Arg Glu Arg	
80 85 90 95	
gat tat agg ctt gac tac tgg ggc caa ggg acc acg gtc acc gtc tcc	335
Asp Tyr Arg Leu Asp Tyr Trp Gly Gln Gly Thr Thr Val Thr Val Ser	
100 105 110	
tca g	339
Ser	

<210> 11
 <211> 112
 <212> PRT
 <213> Unknown Organism

<220>
 <223> Description of Unknown Organism: sequence
 comprised by an antibody

<400> 11
 Gln Glu Ser Gly Pro Gly Leu Val Ala Pro Ser Gln Ser Leu Ser Ile
 1 5 10 15
 Thr Cys Thr Val Ser Gly Phe Ser Leu Thr Gly Tyr Gly Val Asn Trp
 20 25 30
 Val Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Leu Gly Met Ile Trp
 35 40 45
 Gly Asp Gly Asn Thr Asp Tyr Asn Ser Ala Leu Lys Ser Arg Leu Ser
 50 55 60
 Ile Ser Lys Asp Asn Ser Lys Ser Gln Val Phe Leu Lys Met Asn Ser
 65 70 75 80
 Leu His Thr Asp Asp Thr Ala Arg Tyr Tyr Cys Ala Arg Glu Arg Asp
 85 90 95
 Tyr Arg Leu Asp Tyr Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser
 100 105 110